

Amendments to the Abstract:

ABSTRACT

A transmitter having an improved current output is provided, having: a sensor (1), which serves to register a physical quantity (X) and to convert such to an electrical quantity; ~~an~~ electronics (3), which converts the electrical quantity into a measurement signal and makes such available at an electrical current output in the form of a signal current (I) corresponding to the physical quantity; and a pick-up unit (~~13~~) having a magnetoresistive element (~~15~~), whose resistance changes as a function of the magnetic flux (Φ) produced by the signal current (I). (~~Fig. 1~~)